

Appendix B

Table B1. General Land Office survey notes and approximate location for meandered portions of the Umpqua River between 1853 and 1894

[Coordinates in UTM, Zone 10N, North American Datum of 1983. **Abbreviations:** ft, foot; GLO, General Land Office; UTM, Universal Transverse Mercator; s, south; w, west. 1 chain = 22 yards = 100 links]

Township and Range	Notes	Easting	Northing
22s11w	noted as marshy, center of marsh south of road until east us	419,104	4,837,830
21s11w	~13 acre in 1894, 13--39, 12--67, 11--05	421,308	4,838,420
22s11w	Dean's Creek tidally influenced to this point	419,269	4,837,250
23s07w	1858: distance across river=5.68chains, river very rapid	459,532	4,822,180
23s07w	1858: point is about 200 ft above river	457,639	4,820,280
23s07w	1858: brook 3 links wide	456,094	4,827,860
23s07w	1858: 16.94 chains across river	456,081	4,827,220
23s07w	1858: 9.63 chains across river	456,047	4,819,320
23s07w	1858: distance across river = 8.67 chains	454,310	4,820,260
23s07w	1858: rapid current	455,624	4,826,710
23s07w	1858: river rapid current	458,151	4,825,100
23s07w	1858: bluff banks	457,655	4,823,490
23s07w	1858: sandy loam soil	459,399	4,821,650
23s07w	1858: discoveries of bank of coal 1--4 ft thick	457,414	4,818,660
23s07w	1858: gold	457,149	4,818,850
23s07w	1858: entire length of meanders passes through rich soil	453,646	4,825,890
23s07w	1858: fall of 15 ft in 17 chains	455,621	4,826,700
23s07w	1858: head of rapids	455,998	4,827,140
23s07w	1858: rapids 16.43 chains long, estimate of fall=9 feet	456,156	4,819,320
21s11w	1874: land level, sandy, subject to tidal overflow, [grass] on portions	421,344	4,838,410
22s10w	1874: crossed river at low tide to get to sand bar	423,762	4,837,550
22s10w	1874: high banks, at head banks about 6 ft high	424,337	4,836,880
22s10w	1874: low and sandy	424,238	4,836,950
22s10w	1874: sand covered with willow brush and subject to annual overflow	424,275	4,836,930
22s10w	1847: Millers Creek 50 links wide	423,594	4,837,650
22s10w	1874: creek is 75 links wide	425,869	4,835,460
22s10w	1874: narrow bottom along river	425,586	4,836,080

Table B1. General Land Office survey notes and approximate location for meandered portions of the Umpqua River between 1853 and 1894—continued

[Coordinates in UTM, Zone 10N, North American Datum of 1983. **Abbreviations:** ft, foot; GLO, General Land Office; UTM, Universal Transverse Mercator; s, south; w, west. 1 chain = 22 yards = 100 links]

Township and Range	Notes	Easting	Northing
22s10w	1874: creek is 50 links wide	433,297	4,833,910
22s10w	1874: good navigable stream for vessels of light draft	428,114	4,834,760
22s10w	1874: tidally influenced for about a mile	429,219	4,833,140
22s10w	1874: land level and sandy, covered w/ willow & alder, not subject to annual overflow	426,126	4,834,280
22s10w	1874: distance across river=24.80 chains	425,827	4,835,040
22s10w	1874: bank about 6 ft high	424,846	4,836,700
22s10w	1874: sandy beach	424,959	4,836,510
22s10w	1874: shallow water around head of island	425,135	4,836,350
22s10w	1874: marshy	424,455	4,836,660
22s07w	1856: Elk Creek 3 chains wide	454,302	4,831,370
24s04w	1894: entire township underlain by sandstone; the Umpqua River fed by many springs and streams	457,233	4,814,190
27s06w	1853: bank low and sandy	467,886	4,780,050
27s06w	1853: bank low and sandy	468,453	4,780,060
27s06w	1853: bank 20 feet high	470,544	4,780,070
27s06w	1853: bank 15 ft high and very rocky	470,612	4,780,680
27s06w	1853: along foot of rocky bluff	470,291	4,780,820
27s06w	1853: along gravelly bar	469,799	4,780,930
27s06w	1853: bank about 12 ft high and brushy	469,971	4,781,610
27s06w	1853: along foot of steep rocky bluff	471,177	4,782,720
27s06w	1853: bank 12 feet high	471,707	4,784,360
27s06w	1853: bank brushy	471,235	4,784,150
27s06w	1853: stream 12 links wide, [nearly dry from North?]	470,864	4,785,260
27s06w	1853: along steep bluff	470,697	4,785,230
27s06w	1853: bank 15 feet high and brushy	469,620	4,784,900
27s06w	1853: stream 10 links wide and nearly dry from north	468,734	4,785,640
27s06w	1853: bank 12 ft high	468,386	4,785,410

Table B1. General Land Office survey notes and approximate location for meandered portions of the Umpqua River between 1853 and 1894—continued

[Coordinates in UTM, Zone 10N, North American Datum of 1983. **Abbreviations:** ft, foot; GLO, General Land Office; UTM, Universal Transverse Mercator; s, south; w, west. 1 chain = 22 yards = 100 links]

Township and Range	Notes	Easting	Northing
27s06w	1853: bank low and brushy	468,175	4,785,080
27s06w	1853: bank low and brushy	467,427	4,784,460
27s06w	1853: low gravel bar west of line	466,471	4,785,560
27s06w	1853: line runs along a low wide gravelly bar	466,836	4,786,790
27s06w	1853: bank 8 ft high	466,587	4,787,890
27s06w	1853: bank mostly prairie	466,206	4,789,280
27s06w	1853: bank 15 feet high	464,440	4,788,870
27s06w	1853: bank 10 feet high, sandy and brushy	464,118	4,788,380
27s06w	1853: along low sandy bar	463,765	4,788,620
27s06w	1853: bank 15ft high	464,085	4,789,170
27s06w	1853: bank low brushy soil sandy	467,787	4,780,110
27s06w	1853: along foot of steep rocky bluff	468,284	4,780,280
27s06w	1853: bank low and brushy	468,654	4,780,030
27s06w	1853: bank about 10 ft high	470,475	4,780,140
27s06w	1853: very brushy, soil sandy	470,522	4,780,280
27s06w	1853: bank low and brushy	469,965	4,780,680
27s06w	1853: along foot of steep bluff	469,822	4,780,720
27s06w	1853: current rapid	469,701	4,780,900
27s06w	1853: bank rocky	469,689	4,781,000
27s06w	1853: bank low and very brushy	469,706	4,781,350
27s06w	1853: bank 12 ft high	471,566	4,784,970
27s06w	1853: bank 15 ft high and brushy	464,931	4,789,350
27s06w	1853: bank low and brushy	463,853	4,788,300
27s06w	1853: steep bank 50 feet high	463,995	4,788,250
27s06w	1853: bank brushy 15 ft high	463,682	4,788,470
26s06w	1853: bank low and brushy	463,693	4,798,790
26s06w	1853: along at foot of steep hill	464,367	4,797,780

Table B1. General Land Office survey notes and approximate location for meandered portions of the Umpqua River between 1853 and 1894—continued

[Coordinates in UTM, Zone 10N, North American Datum of 1983. **Abbreviations:** ft, foot; GLO, General Land Office; UTM, Universal Transverse Mercator; s, south; w, west. 1 chain = 22 yards = 100 links]

Township and Range	Notes	Easting	Northing
26s06w	1853: along rocky bar at foot of hill	464,333	4,797,380
26s06w	1853: along rocky bar, current rapid	464,062	4,797,240
26s06w	1853: along rocky bar	463,345	4,796,910
26s06w	1853: along rocky bar	462,853	4,796,480
26s06w	1853: bank low and sandy	463,160	4,795,070
26s06w	1853: bank low and sandy	463,101	4,794,720
26s06w	1853: bank about 15 feet high	462,413	4,794,480
26s06w	1853: bank low, brushy and sandy	462,547	4,793,040
26s06w	1853: bank 10 ft high	463,291	4,792,630
26s06w	1853: bank 10 feet high and brushy near water	463,564	4,792,340
26s06w	1853: spring of beautiful cool water	463,702	4,792,100
26s06w	1853: bank 15 ft high and brushy	463,896	4,791,380
26s06w	1853: junction of the north and south forks	463,862	4,790,780
26s06w	1853: bank low and gravelly	464,037	4,790,710
26s06w	1853: bank low and brushy	465,094	4,790,690
26s06w	1853: Bank 15 ft high and brushy near water	465,834	4,790,990
26s06w	1853: Bank low and sandy	467,099	4,791,170
26s06w	1853: Bank low sandy and gravelly	467,497	4,791,280
26s06w	1853: bank brushy near water	467,809	4,791,690
26s06w	1853: bank 15ft high and brushy	468,217	4,792,280
26s06w	1853: bank about 15 ft high	468,357	4,792,620
26s06w	1853: bank low and brushy	468,528	4,793,340
26s06w	1853: along, at foot of steep bluff	468,852	4,794,080
26s06w	1853: bank low and sandy	469,265	4,794,350
26s06w	1853: stream 50 links wide from north, water stagnant	469,397	4,794,310
26s06w	1853: bank 15 ft high and brushy	469,830	4,793,690
26s06w	1853: current rapid	469,996	4,792,920

Table B1. General Land Office survey notes and approximate location for meandered portions of the Umpqua River between 1853 and 1894—continued

[Coordinates in UTM, Zone 10N, North American Datum of 1983. **Abbreviations:** ft, foot; GLO, General Land Office; UTM, Universal Transverse Mercator; s, south; w, west. 1 chain = 22 yards = 100 links]

Township and Range	Notes	Easting	Northing
26s06w	1853: current rapid	470,796	4,792,020
26s06w	1853: bank 10 ft high	471,231	4,792,340
26s06w	1853: bank brushy	465,604	4,789,780
26s06w	1853: bank low and sandy	463,581	4,790,030
26s06w	1853: bank about 10 ft high	463,634	4,790,330
26s06w	1853: bank brushy	463,680	4,790,410
26s06w	1853: junction of north and south forks	463,867	4,790,650
26s06w	1853: bank brushy	464,217	4,790,610
26s06w	1853: soil sandy and gravelly	464,796	4,790,680
26s06w	1853: bank very brushy	464,965	4,790,570
26s06w	1853: bank timbered with fir	465,794	4,790,860
26s06w	1853: bank very brushy	466,238	4,790,920
26s06w	1853: bank low and sandy	467,756	4,791,450
26s06w	1853: along at foot of steep hill	467,805	4,791,530
26s06w	1853: bank 20 ft high and brushy	468,066	4,791,920
26s06w	1853: bank low and sandy	468,622	4,793,350
26s06w	1853: bank about 12 ft high	468,936	4,794,030
26s06w	1853: bank about 15 ft high	469,589	4,794,030
26s06w	1853: along at foot of steep bluff	470,714	4,791,940
26s06w	1853: bank about 12 feet high	471,443	4,792,400
26s06w	1853: bank 12 ft high and brushy	465,749	4,789,680
26s06w	1853: stream 50 links wide	463,412	4,790,080
26s06w	1853: bank sandy and rocky	463,487	4,790,280
26s06w	1853: junction of north and south forks	463,756	4,790,680
26s06w	1853: along at foot of steep rocky bluff	463,735	4,790,920
26s06w	1853: along at foot of steep bluff	463,761	4,791,260
26s06w	1853: bank 15 ft high	463,739	4,791,640

Table B1. General Land Office survey notes and approximate location for meandered portions of the Umpqua River between 1853 and 1894—continued

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Township and Range	Notes	Easting	Northing
26s06w	1853: bank low and sandy	462,920	4,794,760
26s06w	1853: bank low and sandy	462,802	4,795,570
26s06w	1853: bank rocky and brushy	462,530	4,796,270
26s06w	1853: along rocky bar	462,990	4,796,840
26s06w	1853: at foot of steep hill	463,316	4,796,990
26s06w	1853: along sandy and gravelly bar	464,239	4,797,440
26s06w	1853: bank brushy	464,203	4,797,850
26s06w	1853: bank 20 feet high	463,998	4,798,110
26s06w	1853: bank 20 feet high	463,301	4,799,130
28s and 29s06w	GLO not meandered but different from air photos	469,195	4,770,530
30s05w	not meandered, island present in GLO, not photo	478,334	4,754,240
30s04w	not meandered, shows dry bed of river in GLO; 1989 the dry channel flows in winter	486,229	4,755,030
30s04w	not meandered, shows dry bed of river in GLO; 1989 dry channel flows in winter	488,114	4,755,650
30s03w	1855: GLO river probably generalized--not meandered	499,352	4,753,900
26s05w	1853: bank 15 feet high and brushy	481,052	4,793,120
26s05w	1853: bank 15 ft high and brushy	478,617	4,792,960
26s05w	1853: bank low and gravelly	478,463	4,793,880
26s05w	1853: bank low and stony with very little brush	478,943	4,795,330
26s05w	1853: bank low and very brushy	479,037	4,796,240
26s05w	1853: bank brushy	477,860	4,795,800
26s05w	1853: bank low	473,325	4,793,120
26s05w	1853: bank low	472,338	4,792,690
26s05w	1853: bank very high and steep	473,267	4,792,410
26s05w	1853: bank gravelly and rocky, some brush--low rising from water	480,882	4,793,070
26s05w	1853: rapids of the [?], fall of 2 ft and head of low brushy island	478,810	4,793,050

Table B1. General Land Office survey notes and approximate location for meandered portions of the Umpqua River between 1853 and 1894—continued

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Township and Range	Notes	Easting	Northing
26s05w	1853: foot of island	478,739	4,793,260
26s05w	1853: bank 15ft high and brushy	478,606	4,794,120
26s05w	1853: bank brushy and rocky	478,925	4,794,830
26s05w	1853: bank low and brushy	479,188	4,796,170
26s05w	1853: bank rocky and brushy	478,941	4,796,420
26s05w	1853: bed of stream 8 links wide, from the NE	477,048	4,795,920
26s05w	1853: rocky bluff, line along foot of it	476,840	4,795,710
26s05w	1853: bank low and brushy and covered with drift wood	477,120	4,795,030
26s05w	1853: to point of long brushy island	477,051	4,794,120
26s05w	1853: along low brushy island to lower flank of island	476,923	4,793,990
26s05w	1853: bank low and gravelly	474,714	4,793,860
26s05w	1853: around head of small bayou	473,979	4,793,840
26s05w	1853: bed of stream 15 links wide from north	473,963	4,793,880
26s05w	1853: along foot of steep bluff (75 ft high)	473,077	4,793,250
26s05w	1853: bed of stream 8 links wide from north	472,442	4,792,790
26s04w	1855: opposite upper part of small island in river	489,583	4,795,090
26s04w	1855: ford across river and upper edge of small island in river	489,052	4,795,070
26s05w	1855: ford across river?	489,032	4,794,930
26s05w	1855: upper edge of small island	487,870	4,794,870
26s04w	1855: opposite lower edge of small island in river	487,033	4,795,370
26s05w	1855: west end of rocky island	486,478	4,795,650
26s04w	1855: upper edge of small island	486,110	4,795,610
26s04w	1855: opposite small island in river	485,387	4,795,500
26s04w	1855: a great number of small islands not definite by locations in the river a little north of the middle of section 18	482,483	4,795,240
21s12w	1858: marsh bank	410,649	4,838,960
21s12w	1858: grassy flat	410,826	4,839,030

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Township and Range	Notes	Easting	Northing
21s12w	1858: mouth of Schofield's River	410,671	4,840,260
21s12w	1858: mouth of Providence River	409,266	4,840,560
21s12w	1858: nearly dry at low water, at high tide--5 ft deep twice every day	409,355	4,839,540
21s12w	1858: mouth of Providence Creek	409,211	4,840,590
21s12w	1858: deep channel of river along shore	408,981	4,842,810
21s12w	1858: head of marsh on [storm?--pg 439]	408,923	4,842,960
21s12w	1858: a flat extends NW half a mile which is bare at low tide	408,582	4,843,020
21s12w	1858: mouth of slough 100 links wide	408,025	4,842,260
21s12w	1858: heavy growth of grass	409,320	4,842,370
21s12w	1858: low part of island	409,304	4,842,840
21s12w	1858: brush and old Indian camp	409,538	4,842,250
21s12w	1858: upper end of island, grass shore	409,625	4,841,830
21s12w	1858: Grass Island: subject to inundation by spring tides	409,443	4,842,260
21s12w	1858: channel of river 20ft deep	409,178	4,841,450
21s12w	1858: channel nearly dry at low tide	409,187	4,841,040
21s12w	1858: clump of spruce trees on shore	409,821	4,841,010
21s12w	1858: heavy growth of grass	409,768	4,841,130
21s12w	1858: Frarey's Island, sand same as Grass Island	409,445	4,841,250
21s12w	1858: Mackey's Island, sand same as Grass Island	409,536	4,840,860
21s12w	1858: Little Island, sand same as Mackey's Island	409,296	4,840,690
21s12w	1858: head of island	411,751	4,839,730
21s12w	1858: mouth of slough	411,056	4,840,070
21s12w	1858: mouth of slough	410,999	4,840,080
21s12w	1858: Snelling's Island, most subject to inundation by high tide, scattered timber in south, heavy grass in north	411,112	4,839,770
21s12w	1858: level marsh with heavy growth of grass	411,179	4,840,850
21s12w	1858: bluff of rock	411,930	4,840,420

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Township and Range	Notes	Easting	Northing
21s12w	1858: high rocky bluff	411,759	4,840,300
21s12w	1858: main channel of river near the shore	411,651	4,840,300
21s12w	1858: Bolon's Island, south half hilly, north half level marsh	411,422	4,840,630
21s12w	1858: Black's Island, sand level marsh with heavy growth of grass	412,563	4,840,650
21s12w	1858: Goose Island, sand same as Black's Island	412,502	4,840,900
21s12w	1858: Duck Island, sand same as Goose Island	413,233	4,841,220
21s12w	1858: timbered shore, sandy	405,956	4,839,310
21s12w	1858: leave sand hills on shore	406,191	4,843,280
21s12w	1858: rocky bluffs	406,604	4,843,800
21s12w	1858: high rocky bluffs	407,534	4,844,450
21s12w	1858: bluffs	408,279	4,844,750
21s12w	1858: lower end of marsh	409,365	4,844,420
21s12w	1858: marshy shore	409,655	4,844,140
21s12w	1858: creek 100 links wide	409,846	4,843,830
21s12w	1858: stream 50 links wide	409,982	4,843,550
21s12w	1858: marshy shore	410,088	4,843,350
21s12w	1858: marsh subject to inundation at highest tides	410,223	4,843,100
21s12w	1858: leave marsh	410,559	4,842,020
21s12w	1858: rocky bluffs	410,759	4,841,690
21s12w	1858: creek 2.5 links wide	411,036	4,841,430
21s12w	1858: from rocky bluffs to marsh shore	411,604	4,841,320
21s12w	1858: leave marsh	412,777	4,841,160
21s12w	1858: rocky bluffs	412,795	4,841,450
21s12w	1858: sand level soil	413,029	4,843,090
21s12w	1858: stream 50 links wide	413,094	4,843,240
21s12w	1858: navigable for ships	413,960	4,843,330
21s12w	1858: tide rises 5 or 6 feet	412,939	4,842,800

Table B1. General Land Office survey notes and approximate location for meandered portions of the Umpqua River between 1853 and 1894—continued

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Township and Range	Notes	Easting	Northing
21s12w	1858: at this place the creek is quite shallow and seems to be a bayou of smith river at high water	412,882	4,842,370
21s12w	1858: marshy shore	413,332	4,840,020
21s12w	1858: bank marshy	414,129	4,839,580
21s12w	1858: heavy growth of grass	414,174	4,839,530
21s12w	1858: mouth of Butler Creek	412,870	4,840,240
21s12w	1858: mouth of Smith River	412,451	4,839,820
21s12w	1858: sand level soil	413,181	4,839,400
21s12w	1858: rocky shore. tide rises 5 ft, salt water, at this point and for 10 miles above, the Umpqua is navigable by ships	413,262	4,838,960
21s12w	1858: sand level	412,258	4,839,370
21s12w	1858: head of bayou between Umpqua and Scholfield rivers-- called Mallard Creek	411,776	4,839,630
21s12w	1858: sand level	411,393	4,839,440
21s12w	1858: heavy growth of grass	411,214	4,839,410
25s06w	1853: bank 15 ft high and brushy	462,403	4,801,010
25s06w	1853: bank 15 ft high and brushy	462,932	4,799,860
25s06w	1853: bank 15 ft high	462,905	4,799,650
25s07w	1856: mouth of creek 40 links wide	458,368	4,802,530
25s07w	1856: a creek 3 links wide	457,712	4,803,060
25s07w	1856: a creek 2 links wide	457,998	4,802,830
25s07w	1856: creek 10 links wide	458,156	4,802,880
25s07w	1856: creek 6 links wide	461,130	4,802,690
25s07w	1856: creek 6 links wide	461,292	4,802,610
25s07w	1856: mouth of Calapooia Creek, 60 links wide	462,104	4,801,660